DE/AFS/SF

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DEPARTMENT OF ENVIRONMENTAL QUALITY
STATE A Q PROGRAM

Cover Sheet **Form CS**

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
04/03/07

Please see instructions on page 2 before filling out the form.

DEQ USE ONLY
Date Received
Project Number
Payment / Fees Included? Yes ☒ No ☐
Check Number

COMPANY NAME, FACILITY NAME, AND FACILITY ID NUMBER

1. Company Name	Zanetti Bros., Inc.	
2. Facility Name	Plant Yard	3. Facility ID No.
4. Brief Project Description - One sentence or less	Install Concrete Batch Transit Mix Plant	

PERMIT APPLICATION TYPE

5. ☐ New Facility ☒ New Source at Existing Facility ☐ Unpermitted Existing Source
☐ Modify Existing Source: Permit No.:____ Date Issued:____
☐ Required by Enforcement Action: Case No.:____

6. ☒ Minor PTC ☐ Major PTC

FORMS INCLUDED

Included	N/A	Forms	DEQ Verify
☒	☐	Form GI – Facility Information	☐
☒	☐	Form EU0 – Emissions Units General	☐
☐	☒	Form EU1 - Industrial Engine Information Please Specify number of forms attached: _____	☐
☐	☒	Form EU2 - Nonmetallic Mineral Processing Plants Please Specify number of forms attached: _____	☐
☐	☒	Form EU3 - Spray Paint Booth Information Please Specify number of forms attached: _____	☐
☐	☒	Form EU4 - Cooling Tower Information Please Specify number of forms attached: _____	☐
☐	☒	Form EU5 – Boiler Information Please Specify number of forms attached: _____	☐
☐	☒	Form HMAP – Hot Mix Asphalt Plant Please Specify number of forms attached: _____	☐
☒	☐	Form CBP - Concrete Batch Plant Please Specify number of forms attached: _____	☐
☒	☐	Form BCE - Baghouses Control Equipment	☐
☐	☒	Form SCE - Scrubbers Control Equipment	☐
☐	☒	Forms EI-CP1 - EI-CP4 - Emissions Inventory– criteria pollutants (Excel workbook, all 4 worksheets)	☐
☒	☐	PP – Plot Plan	☐
☐	☒	Forms MI1 – MI4 – Modeling (Excel workbook, all 4 worksheets)	☐
☒	☐	Form FRA – Federal Regulation Applicability	☐

DEQ AIR QUALITY PROGRAM
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PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/26/07

Please see instructions on page 2 before filling out the form.

All information is required. If information is missing, the application will not be processed.

IDENTIFICATION	
1. Company Name	Zanetti Bros., Inc.
2. Facility Name (if different than #1)	Plant Yard
3. Facility I.D. No.	
4. Brief Project Description:	Install Concrete Batch Transit Mix Plant
FACILITY INFORMATION	
5. Owned/operated by: (√ if applicable)	☐ Federal government ☐ County government ☐ State government ☐ City government
6. Primary Facility Permit Contact Person/Title	Bryon Morgan, Project Manager/Health & Safety Officer
7. Telephone Number and Email Address	208-752-1178, bryon@sv2day.com
8. Alternate Facility Contact Person/Title	
9. Telephone Number and Email Address	
10. Address to which permit should be sent	301 E. Mullan Avenue
11. City/State/Zip	Osburn, Idaho, 83849
12. Equipment Location Address (if different than #10)	
13. City/State/Zip	
14. Is the Equipment Portable?	☒ Yes ☐ No
15. SIC Code(s) and NAISC Code	Primary SIC: 3272 Secondary SIC (if any): NAICS: 3273
16. Brief Business Description and Principal Product	Contractor services, excavation, rock products, concrete production.
17. Identify any adjacent or contiguous facility that this company owns and/or operates	The office building of Zanetti Bros., Inc. is located at 301 E. Mullan. The concrete batch plant is located further along the street, but does not have a separate address.
PERMIT APPLICATION TYPE	
18. Specify Reason for Application	☐ New Facility ☒ New Source at Existing Facility ☐ Unpermitted Existing Source ☐ Modify Existing Source: Permit No.:_____ Date Issued: _____ ☐ Permit Revision ☐ Required by Enforcement Action: Case No.:_____
CERTIFICATION	
IN ACCORDANCE WITH IDAPA 58.01.01.123 (RULES FOR THE CONTROL OF AIR POLLUTION IN IDAHO), I CERTIFY BASED ON INFORMATION AND BELIEF FORMED AFTER REASONABLE INQUIRY, THE STATEMENTS AND INFORMATION IN THE DOCUMENT ARE TRUE, ACCURATE, AND COMPLETE.	
19. Responsible Official's Name/Title	Herb Zanetti, Owner
20. RESPONSIBLE OFFICIAL SIGNATURE	Herb Zanetti Date: 9/10/07
21. ☒ Check here to indicate you would like to review a draft permit prior to final issuance.	

Emissions Unit - General **Form EU0**

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PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/27/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION

Company Name:	Facility Name:	Facility ID No:
Zanetti Bros., Inc.	Plant Yard	
Brief Project Description:	Install Concrete Batch Transit Mix Plant	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	CEMENT STORAGE SILO NO. I
2. EU ID Number:	EU1
3. EU Type:	☒ New Source ☐ Unpermitted Existing Source ☐ Modification to a Permitted Source -- Previous Permit #: Date Issued:
4. Manufacturer:	CON-E-CO
5. Model:	PREMIER LOW-PROFILE 12S
6. Maximum Capacity:	150 CY CONCRETE PRODUCT/HOUR
7. Date of Construction:	03/05/07
8. Date of Modification (if any)	
9. Is this a Controlled Emission Unit?	☐ No ☒ Yes If Yes, complete the following section. If No, go to line 18.

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:	Cement Storage Silo No. I Baghouse, CE1		
11. Date of Installation:	03/05/07	12. Date of Modification (if any):	
13. Manufacturer and Model Number:	Con-E-Co-PJC-300S		
14. ID(s) of Emission Unit Controlled:	EU1		
15. Is operating schedule different than emission units(s) involved?	☐ Yes ☒ No		
16. Does the manufacturer guarantee the control efficiency of the control equipment?	☐ Yes ☒ No (If Yes, attach and label manufacturer guarantee)		

	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency	99.9%					

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	150 CY/DAY
19. Maximum Operation	45,000 CY/YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	☒ Yes ☐ No (If Yes, check all that apply below)
☐ Operation Hour Limit(s):	
☒ Production Limit(s):	45,000 CY CONCRETE PRODUCT/YEAR
☐ Material Usage Limit(s):	
☐ Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
☐ Other:	
21. Rationale for Requesting the Limit(s):	BASED ON DESIRED PRODUCTION RATE AND THE EMISSIONS INVENTORY/DEQ ENGINEERING ASSESSMENT. ATTACHED.

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Revision 3
03/27/07

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IDENTIFICATION		
Company Name: Zanetti Bros., Inc.	Facility Name: Plant Yard	Facility ID No:
Brief Project Description:	Install Concrete Batch Transit Mix Plant	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION	
1. Emissions Unit (EU) Name:	CEMENT STORAGE SILO NO. II
2. EU ID Number:	EU2
3. EU Type:	☒ New Source ☐ Unpermitted Existing Source ☐ Modification to a Permitted Source -- Previous Permit #: Date Issued:
4. Manufacturer:	CON-E-CO
5. Model:	PREMIER LOW-PROFILE 12S
6. Maximum Capacity:	150 CY CONCRETE PRODUCT/HOUR
7. Date of Construction:	03/05/07
8. Date of Modification (if any)	
9. Is this a Controlled Emission Unit?	☐ No ☒ Yes If Yes, complete the following section. If No, go to line 18.

EMISSIONS CONTROL EQUIPMENT						
10. Control Equipment Name and ID:	Cement Storage Silo No. II Baghouse, CE2					
11. Date of Installation:	03/05/07	12. Date of Modification (if any):				
13. Manufacturer and Model Number:	Con-E-Co-PJC-300S					
14. ID(s) of Emission Unit Controlled:	EU2					
15. Is operating schedule different than emission units(s) involved?	☐ Yes ☒ No					
16. Does the manufacturer guarantee the control efficiency of the control equipment?	☐ Yes ☒ No (If Yes, attach and label manufacturer guarantee)					
	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency	99.9%					
17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.						

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)	
18. Actual Operation	150 CY/DAY
19. Maximum Operation	45,000 CY/YEAR

REQUESTED LIMITS	
20. Are you requesting any permit limits?	☒ Yes ☐ No (If Yes, check all that apply below)
☐ Operation Hour Limit(s):	
☒ Production Limit(s):	45,000 CY CONCRETE PRODUCT/YEAR
☐ Material Usage Limit(s):	
☐ Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
☐ Other:	
21. Rationale for Requesting the Limit(s):	BASED ON DESIRED PRODUCTION RATE AND THE EMISSIONS INVENTORY/DEQ ENGINEERING ASSESSMENT. ATTACHED.

CON-E-CO®

An Oshkosh Truck Corporation Company

SPECIFICATIONS FOR MODEL PJC-300S CARTRIDGE DUST CONTROL

MODEL CON-E-CO-PJC-300S

NUMBER OF CARTRIDGES	8
NOMINAL CARTRIDGE DIAMETER	8"
NOMINAL CARTRIDGE LENGTH	40"
TOTAL FILTRATION AREA	304 SQ. FT.
MIN. DESIGN EFFICIENCY OF DUST COLLECTOR	99.9%
AIR TO CLOTH RATIO	5.0 TO 1.0 (CEMENT)
CAPACITY FOR CEMENT	1,500 C.F.M.(RECOMMENDED MAXIMUM)
CAPACITY FOR FYLASH	1000 C.F.M. (RECOMMENDED MAXIMUM)
DISCHARGE AREA	.67 SQ. FT.
DISCHARGE VELOCITY @1500 C.F.M.	38 FT. / SEC.
DIRECTION OF AIR DISCHARGE	DOWN WARD
DISCHARGE SHAPE	(2) 11/16 X 48" SLOTS (2) 5/8 x 30" SLOTS
OUTLET MOISTURE CONTENT	IDEALLY ZERO
CLEANING MECHANISM	PULSE JET
FREQUENCY OF CLEANING	VARIABLE

CARTRIDGE SPECIFICATIONS

CARTRIDGE DIAMETER	7 7/8" O.D.
CARTRIDGE LENGTH	39 1/4"
CONSTRUCTION	PLEATED
FIBER	SPUN BONDED POLYESTER
WEIGHT	8 OZ / SQ. YD.
PERMEABILITY (.5" WATER)	24 CFM/SQ FT

CEMENT AND FLYASH INTO DUST COLLECTOR

CEMENT & FLYASH SILOS

WEIGHT OF DUST TO BE COLLECTED

.07 LB/YD^3 ____ YD^3 CONCRETE/HR = ___ LB/HR

WEIGHT OF DUST PER CUBIC FT. OF AIR

.0185 X 10^{-2} GR HR/LB FT^3 X (___ LB/HR)= ___GR DUST/ FT^3 AIR

DUST OUT OF THE DUST COLLECTOR

MULTIPLY THE ABOVE VALUES FOR DUST INTO DUST COLLECTOR BY .001

237 N. 13TH STREET ■ P.O. BOX 430 ■ BLAIR, NE 68008

(402) 426-4181 ■ OFFICE FAX (402) 426-4180 ■ ENGINEERING FAX (402) 426-4190

Emissions Unit - General **Form EU0**

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
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Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/27/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION

Company Name:	Facility Name:	Facility ID No:
Zanetti Bros., Inc.	Plant Yard	
Brief Project Description:	Install Concrete Batch Transit Mix Plant	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emissions Unit (EU) Name:	WEIGH BATCHER
2. EU ID Number:	EU3
3. EU Type:	☒ New Source ☐ Unpermitted Existing Source ☐ Modification to a Permitted Source -- Previous Permit #: Date Issued:
4. Manufacturer:	CON-E-CO
5. Model:	PREMIER LOW-PROFILE 12S
6. Maximum Capacity:	150 CY CONCRETE PRODUCT/HOUR
7. Date of Construction:	03/05/07
8. Date of Modification (if any)	
9. Is this a Controlled Emission Unit?	☐ No ☒ Yes If Yes, complete the following section. If No, go to line 18.

EMISSIONS CONTROL EQUIPMENT

10. Control Equipment Name and ID:	Weigh Batcher Baghouse, CE3		
11. Date of Installation:	03/05/07	12. Date of Modification (if any):	
13. Manufacturer and Model Number:	Con-E-Co-BV14-23		
14. ID(s) of Emission Unit Controlled:	EU3		
15. Is operating schedule different than emission units(s) involved?	☐ Yes ☒ No		
16. Does the manufacturer guarantee the control efficiency of the control equipment?	☐ Yes ☒ No (If Yes, attach and label manufacturer guarantee)		

	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency	99.9%					

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)

18. Actual Operation	150 CY/DAY
19. Maximum Operation	45,000 CY/YEAR

REQUESTED LIMITS

20. Are you requesting any permit limits?	☒ Yes ☐ No (If Yes, check all that apply below)
☐ Operation Hour Limit(s):	
☒ Production Limit(s):	45,000 CY CONCRETE PRODUCT/YEAR
☐ Material Usage Limit(s):	
☐ Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
☐ Other:	
21. Rationale for Requesting the Limit(s):	BASED ON DESIRED PRODUCTION RATE AND THE EMISSIONS INVENTORY/DEQ ENGINEERING ASSESSMENT. ATTACHED.

CON-E-CO®

An Oshkosh Truck Corporation Company

SPECIFICATIONS FOR MODEL 14-23 CEMENT BATCHER VENT

MODEL 14-23 SPECIFICATIONS

TOTAL CLOTH AREA	23 SQ. FT.
NUMBER OF BAGS	14
HOUSING HEIGHT	1'-10"
HOUSING WIDTH & LENGTH	0'-10" X 2'-11"
BAG CLEANING METHOD	REVERSE AIR FLOW (From batcher filling and emptying)
MAXIMUM OPERATING TEMPERATURE	170 DEGREES F
CAPACITY	180 CFM MAXIMUM
DISCHARGE SHAPE	(2) 2" X 12" SLOTS
CFM/FT^2 THROUGH BAGS	7.83 MAXIMUM
AIRSPEED OUT OF DEVICE	545 FT / MIN
DIRECTION OF AIR DISCHARGE	DOWN
DISCHARGE AREA	.33 FT ^{2} (48 IN^2)
NORMAL OPERATING TEMP & PRESSURE	AMBIENT

BAG SPECIFICATIONS

BAG DIAMETER	4-1/2" DIA.
BAG LENGTH	16"
CONSTRUCTION	3 X 1 TWILL
FIBER	POLYESTER
FINISH	GREIGE
WEIGHT	7.1 OZ./SQ. YD.
THICKNESS	0.019"
MULLEN BURST	275 PSI (Min)
PERMEABILITY RANGE (0.5" WATER)	30-55 CFM/SQ. FT.
BAG EFFICIENCY	99.9% (*)

BATCHER VENT	INTO BAGS
LB / HR	(.04 LB / YD ^{3}) * (___YD^3 HR)
GR / FT^3	(.648 GR HR / LB FT ^{3}) * (___LB / HR)

OUT OF BAGS

FOR ALL OUT OF BAGS VALUES, MULTIPLY THE INTO BAGS VALUES BY 0.001.

* BASED ON TESTS BY THE UNIVERSITY OF TENNESSEE.

NATIONAL READY MIXED CONCRETE ASSOCIATION

QUALITY ■ PERFORMANCE ■ SERVICE

237 N. 13TH STREET ■ P.O. BOX 430 ■ BLAIR, NE 68008

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CONCRETE PLANT CPMB MANUFACTURERS BUREAU

PLANT MIXER PMMD MANUFACTURERS DIVISION

Emissions Unit - General **Form EU0**

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PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/27/07

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IDENTIFICATION		
Company Name: Zanetti Bros., Inc.	Facility Name: Plant Yard	Facility ID No:
Brief Project Description:	Install Concrete Batch Transit Mix Plant	

EMISSIONS UNIT (PROCESS) IDENTIFICATION & DESCRIPTION	
1. Emissions Unit (EU) Name:	CONCRETE BATCH PLANT MIXER
2. EU ID Number:	EU4
3. EU Type:	☒ New Source ☐ Unpermitted Existing Source ☐ Modification to a Permitted Source -- Previous Permit #: Date Issued:
4. Manufacturer:	CON-E-CO
5. Model:	PREMIER LOW-PROFILE 12S
6. Maximum Capacity:	150 CY CONCRETE PRODUCT/HOUR
7. Date of Construction:	03/05/07
8. Date of Modification (if any)	
9. Is this a Controlled Emission Unit?	☐ No ☒ Yes If Yes, complete the following section. If No, go to line 18.

EMISSIONS CONTROL EQUIPMENT			
10. Control Equipment Name and ID:	Concrete Batch Plant Mixer, CE4		
11. Date of Installation:	03/05/07	12. Date of Modification (if any):	
13. Manufacturer and Model Number:	Con-E-Co-PJ-980		
14. ID(s) of Emission Unit Controlled:	EU4		
15. Is operating schedule different than emission units(s) involved?	☐ Yes ☒ No		
16. Does the manufacturer guarantee the control efficiency of the control equipment?	☐ Yes ☒ No (If Yes, attach and label manufacturer guarantee)		

	Pollutant Controlled					
	PM	PM10	SO_2	NOx	VOC	CO
Control Efficiency	99.9%					

17. If manufacturer's data is not available, attach a separate sheet of paper to provide the control equipment design specifications and performance data to support the above mentioned control efficiency.

EMISSION UNIT OPERATING SCHEDULE (hours/day, hours/year, or other)	
18. Actual Operation	150 CY/DAY
19. Maximum Operation	45,000 CY/YEAR

REQUESTED LIMITS	
20. Are you requesting any permit limits?	☒ Yes ☐ No (If Yes, check all that apply below)
☐ Operation Hour Limit(s):	
☒ Production Limit(s):	45,000 CY CONCRETE PRODUCT/YEAR
☐ Material Usage Limit(s):	
☐ Limits Based on Stack Testing	Please attach all relevant stack testing summary reports
☐ Other:	
21. Rationale for Requesting the Limit(s):	BASED ON DESIRED PRODUCTION RATE AND THE EMISSIONS INVENTORY/DEQ ENGINEERING ASSESSMENT. ATTACHED.

CON-E-CO®

An Oshkosh Truck Corporation Company

SPECIFICATIONS FOR MODEL PJ-980 DUST COLLECTION SYSTEM

MODEL CON-E-CO PJ-980	
NUMBER OF BAGS	66
NOMINAL BAG DIAMETER	6"
NOMINAL BAG LENGTH	120"
TOTAL FILTRATION AREA	980 SQ. FT.
MIN. DESIGN EFFICIENCY OF DUST COLLECTOR	99.9%
AIR TO CLOTH RATIO	6.0 TO 1.0
BLOWER HP	15 HP
STATIC PRESSURE DROP	8" (INCHES OF WATER)
BLOWER CAPACITY	5880 C.F.M.
DISCHARGE AREA	2.3 SQ. FT.
DISCHARGE VELOCITY	42.7 FT. / SEC.
DIRECTION OF AIR DISCHARGE	HORIZONTAL
DISCHARGE SHAPE	15 3/4" X 21" RECTANGLE
OUTLET MOISTURE CONTENT	IDEALLY ZERO
CLEANING MECHANISM	PULSE JET
FREQUENCY OF CLEANING	VARIABLE

BAG SPECIFICATIONS	
BAG DIAMETER	5.93"
BAG LENGTH	121"
CONSTRUCTION	SEAMED
FIBER	POLYESTER FELT
FINISH	SINGED
WEIGHT	16 OZ / SQ. YD.
PERMEABILITY (.5" WATER)	20-30 CFM
FIBER SIZE	2.5 DENIER AVERAGE

CEMENT AND FLYASH INTO DUST COLLECTOR

TRUCK MIX

WEIGHT OF DUST TO BE COLLECTED

.04 LB/YD^3 X (____ YD^3 CONCRETE/HR) = ____ LB DUST/HR

WEIGHT OF DUST PER CUBIC FT. OF AIR

.020 GR HR/LB FT^3 X (___ LB/HR)= ___ GR DUST/ FT^3 AIR

CENTRAL MIX

WEIGHT OF DUST TO BE COLLECTED

.07 LB/YD^3 ____ YD^3 CONCRETE/HR = ___ LB/HR

WEIGHT OF DUST PER CUBIC FT. OF AIR

.020 GR HR/LB FT^3 X (___ LB/HR)= ___ GR DUST/ FT^3 AIR

CEMENT & FLYASH SILOS

WEIGHT OF DUST TO BE COLLECTED

.07 LB/YD^3 ____ YD^3 CONCRETE/HR = ___ LB/HR

WEIGHT OF DUST PER CUBIC FT. OF AIR

.020 X 10^{-2} GR HR/LB FT^3 X (___ LB/HR)= ___GR DUST/ FT^3 AIR

DUST OUT OF THE DUST COLLECTOR

MULTIPLY THE ABOVE VALUES FOR DUST INTO DUST COLLECTOR BY .001

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PLANT MIXER PMMD MANUFACTURERS DIVISION

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PERMIT TO CONSTRUCT APPLICATION

Revision 4
04/18/07

Please see instructions on page 4 before filling out the form.

GENERAL INFORMATION

Company Name:	Zanetti Bros., Inc.		
Facility Name:	Plant Yard	**Facility ID No:**	
Brief Project Description:	Install Concrete Batch Transit Mix Plant		
Mailing Address:			
City:	Osburn	**State:**	Idaho
Zip Code:	83849	**County:**	Shoshone
General Nature of Business & Products:	Contractor services, excavation, rock products, concrete production		

Contact Name, Title:	Bryon Morgan, Project Manager/Health & Safety Officer		
Phone:	208-752-1178	**Cell:**	
Email:	bryon@sv2day.com		

Owner or Responsible Official Name, Title:	Herb Zanetti, Owner
Phone:	208-752-1178
Email:	--

Proposed Initial Plant Location:	301 E. Mullan (Zanetti yard)		
Nearest City:	Osburn	**Estimated Startup Date:**	Pending DEQ PTC approval
County:	Shoshone		

Reason for Application:	☒ Permit to construct a new source ☐ Permit to operate an existing unpermitted source ☐ Permit to modify/revise an existing permitted source (identify the permit below) Permit No.: Issue Date: Facility ID:
☒ Check here to indicate you would like to review a draft permit prior to final issuance.	
Comments:	

CONCRETE BATCH PLANT INFORMATION

1. Concrete Batch Plant

Manufacturer:	CON-E-CO	**Model:**	Premier Low Profile 12S Concrete Batch Plant
Manufacture Date:	03/05/07		
Maximum Hourly Throughput:	150 (cy/hour)		
Maximum Daily Throughput:	3,600 (cy/day)		
Maximum Annual Throughput:	1,314,000 (cy/year)		
Requested Annual Throughput:	45,000 (cy/year)		

2a. Cement Storage Silo Baghouse No. 1

Manufacturer:	CON-E-CO	**Model:**	CON-E-CO-PJC-300S
Stack Height from Ground:	50 (approx) (ft)	**Exit Air Flow Rate:**	1500 Maximum (acfm)
Stack Inside Diameter:	0.75 (ft)	* **PM_{10} Control Efficiency:**	99.9 (%)
* **Manufacturer Grain Loading Guarantee:**	--		
* Attach manufacturer's PM_{10} control efficiency if available.			

2b. Cement Storage Silo Baghouse No. II

Manufacturer:	CON-E-CO	**Model:**	CON-E-CO-PJC-300S
Stack Height from Ground:	50 (approx) (ft)	**Exit Air Flow Rate:**	1500 Maximum (acfm)
Stack Inside Diameter:	0.75 (ft)	* **PM_{10} Control Efficiency:**	99.9 (%)
* **Manufacturer Grain Loading Guarantee:**	--		
* Attach manufacturer's PM_{10} control efficiency if available.			

2c. Cement Supplement (such as flyash) Storage Silo Baghouse No. ____

Manufacturer:		**Model:**	
Stack Height from Ground:	(ft)	**Exit Air Flow Rate:**	(acfm)
Stack Inside Diameter:	(ft)	* **PM_{10} Control Efficiency:**	(%)
* **Manufacturer Grain Loading Guarantee:**			
* Attach manufacturer's PM_{10} control efficiency if available.			

2d. Cement Supplement (such as flyash) Storage Silo Baghouse No. ____

Manufacturer:		**Model:**	
Stack Height from Ground:	(ft)	**Exit Air Flow Rate:**	(acfm)
Stack Inside Diameter:	(ft)	* **PM_{10} Control Efficiency:**	(%)
* **Manufacturer Grain Loading Guarantee:**			
* Attach manufacturer's PM_{10} control efficiency if available.			

3. Weigh Batcher Baghouse(s)

Manufacturer:	CON-E-CO	**Model:**	BV 14-23
Stack Height from Ground:	25 (approx) (ft)	**Exit Air Flow Rate:**	180 Maximum (acfm)
Stack Inside Diameter:	0.75 (ft)	* **PM_{10} Control Efficiency:**	99.9 (%)
* **Manufacturer Grain Loading Guarantee:**	--		
* Attach manufacturer's PM_{10} control efficiency if available.			

ELECTRICAL GENERATOR SET INFORMATION (if applicable)

Manufacturer:			**Model:**	
Maximum Rated Capacity:		☐ Hp	☐ kW	
Fuel Type:	☐ Gasoline	☐ Diesel	☐ Natural Gas	☐ Propane
Maximum Fuel Usage Rate:		☐ gal./hr.	☐ cfh	
Maximum Daily Hrs. of Operations:	(hours/day)			
Maximum Annual Hrs. of Operations:	(hours/year)			
Stack Parameters:	Stack Height from Ground (ft): _____		Stack Exhaust Flow Rate (acfm): _____	
	Stack Inside Diameter (ft): _____		Stack Exhaust Gas Temperature (°F): _____	

ADDITIONAL GENERATOR (if applicable)

Manufacturer:			**Model:**	
Maximum Rated Capacity:		☐ Hp	☐ kW	
Fuel Type:	☐ Gasoline	☐ Diesel	☐ Natural Gas	☐ Propane
Maximum Fuel Usage Rate:		☐ gal./hr.	☐ cfh	
Maximum Daily Hrs. of Operations:	(hours/day)			
Maximum Annual Hrs. of Operations:	(hours/year)			
Stack Parameters:	Stack Height from Ground (ft): _____		Stack Exhaust Flow Rate (acfm): _____	
	Stack Inside Diameter (ft): _____		Stack Exhaust Gas Temperature (°F): _____	

☒ **$1,000 PTC application fee enclosed**

Certification of Truth, Accuracy, and Completeness (by Responsible Official)
I hereby certify that based on information and belief formed after reasonable inquiry, the statements and information contained in this and any attached and/or referenced document(s) are true, accurate, and complete in accordance with IDAPA 58.01.01.123-124.

Herb Zanetti — *Responsible Official Signature*

President — *Responsible Official Title*

9/10/07 — *Date*

Herb Zanetti — *Print or Type Responsible Official Name*

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
For assistance, call the
Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
04/02/07

Please see instructions on page 2 before filling out the form.

IDENTIFICATION		
Company Name: Zanetti Bros., Inc.	**Facility Name:** Plant Yard	**Facility ID No.:**
Brief Project Description:		

IDENTIFICATION				BAGHOUSE			BAGS			
1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.
Emission Unit	EU ID No.	CE ID No.	Stack ID No.	Baghouse Manufacturer	Baghouse Model No.	Type	Type	Size (Dia x Ht)	No. of Bags	Air to Cloth
Cement Storage Silo No. I	EU1	CE1	--	Con-E-Co	Con-E-Co-PJC-300S	Pulse Jet	Polyester	7 7/8" x 39 1/4"	8	5.0 to 1.0
Cement Storage Silo No. II	EU2	CE2	--	Con-E-Co	Con-E-Co-PJC-300S	Pulse Jet	Polyester	7 7/8" x 39 1/4"	8	5.0 to 1.0
Weigh Batcher	EU3	CE3	--	Con-E-Co	BV14-23	Reverse Air	Polyester	4 1/2" x 16"	14	--
Concrete Batch Plant Mixer	EU4	CE4	--	Con-E-Co	Con-E-Co-PJ-980	Pulse Jet	Polyester Felt	5.93" x 121"	66	6.0 to 1.0

Federal Requirements Applicability **Form FRA**

DEQ AIR QUALITY PROGRAM
1410 N. Hilton, Boise, ID 83706
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Air Permit Hotline – 1-877-5PERMIT

PERMIT TO CONSTRUCT APPLICATION

Revision 3
03/26/07

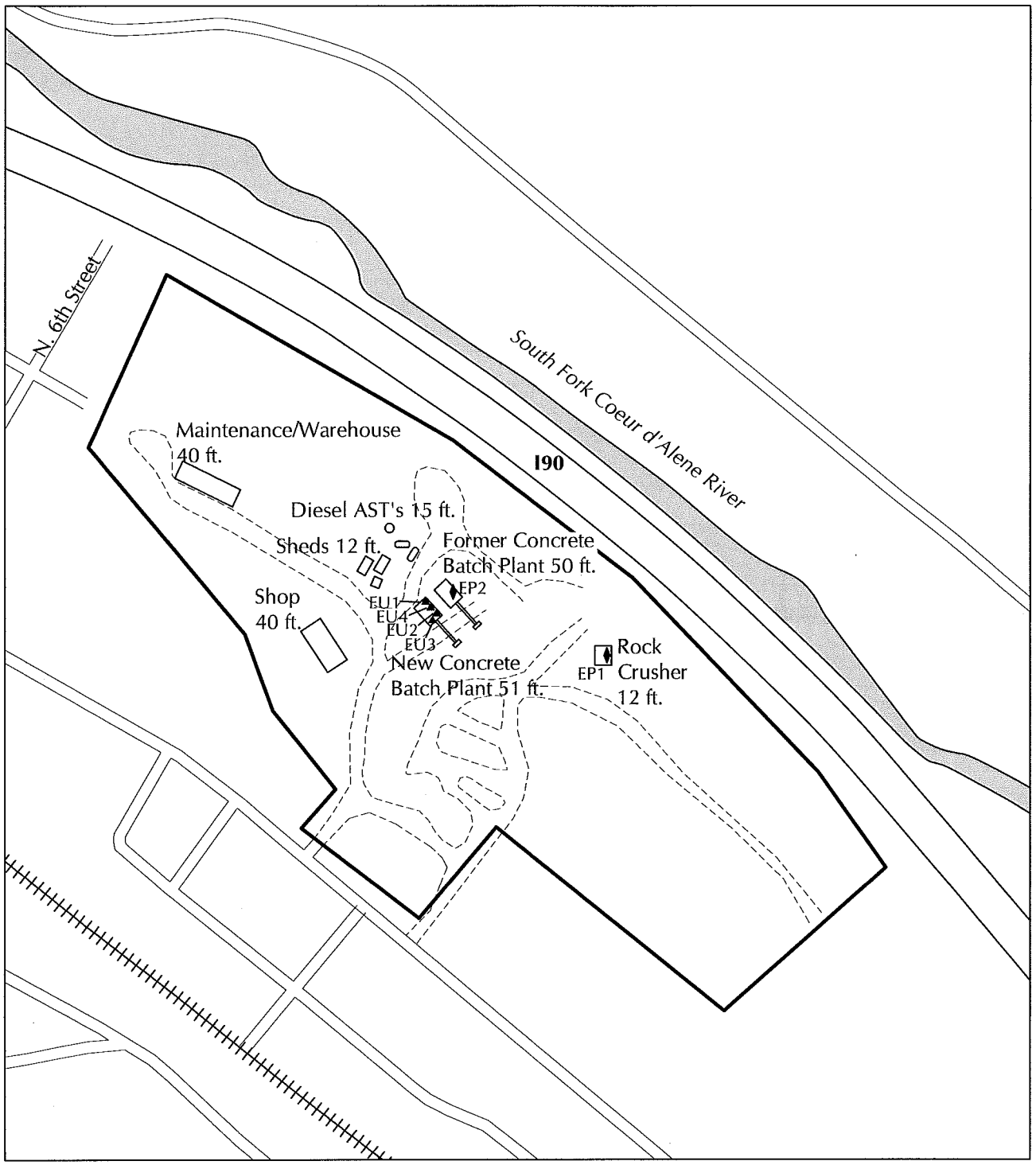
Please see instructions on page 2 before filling out the form.

IDENTIFICATION		
Company Name: Zanetti Bros., Inc.	Facility Name: Plant Yard	Facility ID No:
Brief Project Description: Install Concrete Batch Transit Mix Plant		

APPLICABILITY DETERMINATION		
1. Will this project be subject to 1990 CAA Section 112(g)? (Case-by-Case MACT)	☒ NO	☐ YES*
	* If YES, applicant must submit an application for a case-by-case MACT determination [IAC 567 22-1(3)"b" (8)]	
2. Will this project be subject to a New Source Performance Standard? (40 CFR part 60)	☒ NO	☐ YES*
	*If YES, please identify sub-part: _____	
3. Will this project be subject to a MACT (Maximum Achievable Control Technology) regulation? (40 CFR part 63) THIS ONLY APPLIES IF THE PROJECT EMITS A HAZARDOUS AIR POLLUTANT	☒ NO	☐ YES*
	*If YES, please identify sub-part: _____	
4. Will this project be subject to a NESHAP (National Emission Standards for Hazardous Air Pollutants) regulation? (40 CFR part 61)	☒ NO	☐ YES*
	*If YES, please identify sub-part: _____	
5. Will this project be subject to PSD (Prevention of Significant Deterioration)? (40 CFR section 52.21)	☒ NO	☐ YES
6. Was netting done for this project to avoid PSD?	☒ NO	☐ YES*
	*If YES, please attach netting calculations	

IF YOU ARE UNSURE HOW TO ANSWER ANY OF THESE QUESTIONS, CALL THE AIR PERMIT HOTLINE AT 1-877-5PERMIT

DRAWN BY: JASPER GEOGRAPHICS 08/23/07 CHECKED BY: NP AUGUST 2007



LFPublic\027\30064100\Zanetti Site Plan.pdf 082307

Plot Plan

Zanetti Brothers Facility
Concrete Batch Plant PTC

LFR

Figure 1

Pettis, Nichol

From: Cheryl.Robinson@deq.idaho.gov
Sent: Friday, August 17, 2007 10:43 AM
To: Nichol.Pettis@lfr.com; bryon@sv2day.com
Cc: Kevin.Schilling@deq.idaho.gov; Mark.Boyle@deq.idaho.gov; Ralph.Paul@deq.idaho.gov
Subject: Modeling Protocol Approval: Zanetti Concrete Batch Plant

Nichol,

Based on the emission inventory provided with your modeling protocol, the emissions of criteria air pollutants from the proposed Zanetti concrete batch plant operations do not exceed the modeling threshold limits specified in the State of Idaho Air Quality Modeling Guideline, AQ-011, Rev 1, dated December 31, 2002.

Based on DEQ's experience with similar facilities, the controlled ambient concentration from TAPs emissions at the proposed concrete production rates will not exceed the applicable acceptable ambient concentration (AAC) or acceptable ambient concentration for carcinogens (AACC) at a setback of 40 meters (131 feet). Please ensure that the plot plan submitted with your application shows that the distance to any structure normally occupied by members of the public (e.g., a residence, school, health care facility), or outdoor public gathering place is at least 40 meters. This distance shall be measured from the nearest edge of any storage pile, silo, weigh batcher, transfer point, or conveyor associated with this concrete batch plant. This limitation does not apply to the distance to any public road or highway.

Ensure that the concrete production rates requested in your application are consistent with the rates described in the modeling protocol.

DEQ concurs that dispersion modeling will not be required for this concrete batch plant replacement project for the Zanetti Bros. facility located in Osburn, Idaho.

Please include a copy of this modeling protocol request and approval email with your application submittal.

Best regards,
Cheryl

Cheryl A. Robinson, P.E.
Air Quality Permitting Engineer
Idaho Department of Environmental Quality
1410 N. Hilton
Boise, Idaho 83706-1255
Phone: 208.373.0220 Fax: 208.373.0340
cheryl.robinson@deq.idaho.gov
Website: www.deq.idaho.gov

From: Pettis, Nichol [mailto:Nichol.Pettis@lfr.com]
Sent: Friday, August 17, 2007 9:18 AM
To: Kevin Schilling
Cc: Cheryl Robinson
Subject: Modeling Protocol: Zanetti Concrete Batch Plant

Dear Mr. Schilling,

This is a request for an engineering judgment that modeling not be required in order to permit the new concrete batch plant (CBP), owned by Zanetti Bros., 301 East Mullan, Osburn, Idaho. LFR is preparing a Permit to Construct application for a new Con-E-Co premier Low Profile 12S concrete batch plant, which will replace the existing CBP currently onsite. The estimated maximum daily production is 150 cubic yards of concrete and the estimated maximum annual production is 45,000 cubic yards for the new CBP. The attached emissions inventory

shows that the CBP is under modeling thresholds in all areas except for uncontrolled TAP emissions for arsenic, nickel, and chromium VI. Please consider the following as you review this information:

- The DEQ has extensive experience with the results of CBP modeling
- The new CBP will replace the current CBP, which in essence upgrades all emissions control equipment
- The CBP is not operating with a generator; it is connected to an electrical grid.
- The site is in an attainment area, and is not within 10 kilometers of a Class 1 Area.

Current equipment and buildings at the site is the existing CBP (which will be removed once the new CBP is operating), a rock crusher (permit no. 13-1420-0004-00), assorted storage sheds, two diesel tanks, a shop, a truck scale, and an office building on an approximately 60 acres site. Zanetti Bros. intends to place a three-sided building around the loading hoppers against prevailing winds, with the intention of shielding workers and equipment during the winter. Also, the new CBP will be mostly enclosed by a metal building (with the roof located just below the CBP baghouses) for protection of equipment against winter cold. These items may further assist in emission control.

Please let me know if you need additional information and I will gladly provide it to the best of my ability. Thank you for taking the time to consider this request.

Sincerely,

Nichol Pettis, E.I.T.
Senior Staff Engineer
LFR Inc.
2310 North Molter Road, Suite 101
Liberty Lake, WA 99019
nichol.pettis@lfr.com
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